

0590  
1106

#6

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,725

DATE: 11/08/2001

TIME: 10:29:52

Input Set : A:\49949-SEQ.TXT

Output Set: N:\CRF3\11082001\I885725.raw

4 <110> APPLICANT: Lyngstadaas, Stale Petter  
5 Gestrelius, Stina  
7 <120> TITLE OF INVENTION: Matrix Protein Compositions for Dentin  
8 Regeneration  
10 <130> FILE REFERENCE: P24775US01  
12 <140> CURRENT APPLICATION NUMBER: 09/885,725  
13 <141> CURRENT FILING DATE: 2001-06-19  
15 <150> PRIOR APPLICATION NUMBER: PA200000959  
16 <151> PRIOR FILING DATE: 2000-06-20  
18 <150> PRIOR APPLICATION NUMBER: PA200001665  
19 <151> PRIOR FILING DATE: 2000-11-08  
21 <160> NUMBER OF SEQ ID NOS: 6  
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 407  
27 <212> TYPE: PRT  
28 <213> ORGANISM: rat  
30 <400> SEQUENCE: 1

ENTERED

31 Met Ser Ala Ser Lys Ile Pro Leu Phe Lys Met Lys Gly Leu Leu Leu  
32 1 5 10 15  
33 Phe Leu Ser Leu Val Lys Met Ser Leu Ala Val Pro Ala Phe Pro Gln  
34 20 25 30  
35 Gln Pro Gly Ala Gln Gly Met Ala Pro Pro Gly Met Ala Ser Leu Ser  
36 35 40 45  
37 Leu Glu Thr Met Arg Gln Leu Gly Ser Leu Gln Gly Leu Asn Ala Leu  
38 50 55 60  
39 Ser Gln Tyr Ser Arg Leu Gly Phe Gly Lys Ala Leu Asn Ser Leu Trp  
40 65 70 75 80  
41 Leu His Gly Leu Leu Pro Pro His Asn Ser Phe Pro Trp Ile Gly Pro  
42 85 90 95  
43 Arg Glu His Glu Thr Gln Gln Pro Ser Leu Gln Pro His Gln Pro Gly  
44 100 105 110  
45 Leu Lys Pro Phe Leu Gln Pro Thr Ala Ala Thr Gly Val Gln Val Thr  
46 115 120 125  
47 Pro Gln Lys Pro Gly Pro His Pro Pro Met His Pro Gly Gln Leu Pro  
48 130 135 140  
49 Leu Gln Glu Gly Glu Leu Ile Ala Pro Asp Glu Pro Gln Val Ala Pro  
50 145 150 155 160  
51 Ser Glu Asn Pro Pro Thr Pro Glu Val Pro Ile Met Asp Phe Ala Asp  
52 165 170 175  
53 Pro Gln Phe Pro Thr Val Phe Gln Ile Ala His Ser Leu Ser Arg Gly  
54 180 185 190  
55 Pro Met Ala His Asn Lys Val Pro Thr Phe Tyr Pro Gly Met Phe Tyr  
56 195 200 205  
57 Met Ser Tyr Gly Ala Asn Gln Leu Asn Ala Pro Gly Arg Ile Gly Phe  
58 210 215 220  
59 Met Ser Ser Glu Glu Met Pro Gly Glu Arg Gly Ser Pro Met Ala Tyr

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,725

DATE: 11/08/2001

TIME: 10:29:52

Input Set : A:\49949-SEQ.TXT

Output Set: N:\CRF3\11082001\I885725.raw

```

60 225          230          235          240
61 Gly Thr Leu Phe Pro Gly Tyr Gly Gly Phe Arg Gln Thr Leu Arg Gly
62          245          250          255
63 Leu Asn Gln Asn Ser Pro Lys Gly Gly Asp Phe Thr Val Glu Val Asp
64          260          265          270
65 Ser Pro Val Ser Val Thr Lys Gly Pro Glu Lys Gly Glu Gly Pro Glu
66          275          280          285
67 Gly Ser Pro Leu Gln Glu Ala Ser Pro Asp Lys Gly Glu Asn Pro Ala
68          290          295          300
69 Leu Leu Ser Gln Ile Ala Pro Gly Ala His Ala Gly Leu Leu Ala Phe
70 305          310          315          320
71 Pro Asn Asp His Ile Pro Asn Met Ala Arg Gly Pro Ala Gly Gln Arg
72          325          330          335
73 Leu Leu Gly Val Thr Pro Ala Ala Ala Asp Pro Leu Ile Thr Pro Glu
74          340          345          350
75 Leu Ala Glu Val Tyr Glu Thr Tyr Gly Ala Asp Val Thr Thr Pro Leu
76          355          360          365
77 Gly Asp Gly Glu Ala Thr Met Asp Ile Thr Met Ser Pro Asp Thr Gln
78          370          375          380
79 Gln Pro Pro Met Pro Gly Asn Lys Val His Gln Pro Gln Val His Asn
80 385          390          395          400
81 Ala Trp Arg Phe Gln Glu Pro
82          405
85 <210> SEQ ID NO: 2
86 <211> LENGTH: 407
87 <212> TYPE: PRT
88 <213> ORGANISM: rat
90 <400> SEQUENCE: 2
91 Met Ser Ala Ser Lys Ile Pro Leu Phe Lys Met Lys Gly Leu Leu Leu
92 1          5          10          15
93 Phe Leu Ser Leu Val Lys Met Ser Leu Ala Val Pro Ala Phe Pro Gln
94          20          25          30
95 Gln Pro Gly Ala Gln Gly Met Ala Pro Pro Gly Met Ala Ser Leu Ser
96          35          40          45
97 Leu Glu Thr Met Arg Gln Leu Gly Ser Leu Gln Gly Leu Asn Ala Leu
98          50          55          60
99 Ser Gln Tyr Ser Arg Leu Gly Phe Gly Lys Ala Leu Asn Ser Leu Trp
100 65          70          75          80
101 Leu His Gly Leu Leu Pro Pro His Asn Ser Phe Pro Trp Ile Gly Pro
102          85          90          95
103 Arg Glu His Glu Thr Gln Gln Pro Ser Leu Gln Pro His Gln Pro Gly
104          100          105          110
105 Leu Lys Pro Phe Leu Gln Pro Thr Ala Ala Thr Gly Val Gln Val Thr
106          115          120          125
107 Pro Gln Lys Pro Gly Pro His Pro Pro Met His Pro Gly Gln Leu Pro
108          130          135          140
109 Leu Gln Glu Gly Glu Leu Ile Ala Pro Asp Glu Pro Gln Val Ala Pro
110 145          150          155          160
111 Ser Glu Asn Pro Pro Thr Pro Glu Val Pro Ile Met Asp Phe Ala Asp

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,725

DATE: 11/08/2001

TIME: 10:29:52

Input Set : A:\49949-SEQ.TXT

Output Set: N:\CRF3\11082001\I885725.raw

```

112          165          170          175
113 Pro Gln Phe Pro Thr Val Phe Gln Ile Ala His Ser Leu Ser Arg Gly
114          180          185          190
115 Pro Met Ala His Asn Lys Val Pro Thr Phe Tyr Pro Gly Met Phe Tyr
116          195          200          205
117 Met Ser Tyr Gly Ala Asn Gln Leu Asn Ala Pro Gly Arg Ile Gly Phe
118          210          215          220
119 Met Ser Ser Glu Glu Met Pro Gly Glu Arg Gly Ser Pro Met Ala Tyr
120 225          230          235          240
121 Gly Thr Leu Phe Pro Gly Tyr Gly Gly Phe Arg Gln Thr Leu Arg Gly
122          245          250          255
123 Leu Asn Gln Asn Ser Pro Lys Gly Gly Asp Phe Thr Val Glu Val Asp
124          260          265          270
125 Ser Pro Val Ser Val Thr Lys Gly Pro Glu Lys Gly Glu Gly Pro Glu
126          275          280          285
127 Gly Ser Pro Leu Gln Glu Ala Ser Pro Asp Lys Gly Glu Asn Pro Ala
128          290          295          300
129 Leu Leu Ser Gln Ile Ala Pro Gly Ala His Ala Gly Leu Leu Ala Phe
130 305          310          315          320
131 Pro Asn Asp His Ile Pro Asn Met Ala Arg Gly Pro Ala Gly Gln Arg
132          325          330          335
133 Leu Leu Gly Val Thr Pro Ala Ala Ala Asp Pro Leu Ile Thr Pro Glu
134          340          345          350
135 Leu Ala Glu Val Tyr Glu Thr Tyr Gly Ala Asp Val Thr Thr Pro Leu
136          355          360          365
137 Gly Asp Gly Glu Ala Thr Met Asp Ile Thr Met Ser Pro Asp Thr Gln
138          370          375          380
139 Gln Pro Pro Met Pro Gly Asn Lys Val His Gln Pro Gln Val His Asn
140 385          390          395          400
141 Ala Trp Arg Phe Gln Glu Pro
142          405
145 <210> SEQ ID NO: 3
146 <211> LENGTH: 4
147 <212> TYPE: PRT
148 <213> ORGANISM: rat
150 <220> FEATURE:
151 <221> NAME/KEY: PEPTIDE ✓
152 <222> LOCATION:
153 <223> OTHER INFORMATION: DGEA ✓
155 <400> SEQUENCE: 3
156 Asp Gly Glu Ala
157 1
160 <210> SEQ ID NO: 4
161 <211> LENGTH: 4
162 <212> TYPE: PRT
163 <213> ORGANISM: rat
165 <220> FEATURE:
166 <221> NAME/KEY: PEPTIDE ✓
167 <222> LOCATION:

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,725

DATE: 11/08/2001

TIME: 10:29:52

Input Set : A:\49949-SEQ.TXT

Output Set: N:\CRF3\11082001\I885725.raw

168 &lt;223&gt; OTHER INFORMATION: VTKG ✓

170 &lt;400&gt; SEQUENCE: 4

171 Val Thr Lys Gly

172 1

175 &lt;210&gt; SEQ ID NO: 5

176 &lt;211&gt; LENGTH: 4

177 &lt;212&gt; TYPE: PRT

178 &lt;213&gt; ORGANISM: rat

180 &lt;220&gt; FEATURE:

181 &lt;221&gt; NAME/KEY: PEPTIDE ✓

182 &lt;222&gt; LOCATION:

183 &lt;223&gt; OTHER INFORMATION: EKGE ✓

185 &lt;400&gt; SEQUENCE: 5

186 Glu Lys Gly Glu

187 1

190 &lt;210&gt; SEQ ID NO: 6

191 &lt;211&gt; LENGTH: 4

192 &lt;212&gt; TYPE: PRT

193 &lt;213&gt; ORGANISM: rat ✓

195 &lt;220&gt; FEATURE:

196 &lt;221&gt; NAME/KEY: PEPTIDE

197 &lt;222&gt; LOCATION:

198 &lt;223&gt; OTHER INFORMATION: DKGE ✓

200 &lt;400&gt; SEQUENCE: 6

201 Asp Lys Gly Glu

202 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/885,725

DATE: 11/08/2001

TIME: 10:29:53

Input Set : A:\49949-SEQ.TXT

Output Set: N:\CRF3\11082001\I885725.raw